

ATTACHMENT G

COST BREAKDOWN BY SUBREGION

Funding Information Including Grants

Conceptual Capital Cost Evaluation for Geographic Subregion #1 -- Cape Coral, Waterway Estates, and North Ft. Myers

Proposed Alternative	Estimated Benefit (MGD)	Description	Capital Cost	Annual O & M Cost	Total Cost
Surface Water ASR					
Gator Slough	7.0	9 Wells and Pumping Station	\$9,840,000	\$131,000	\$9,980,000
Horseshoe Canal	3.0	4 Wells and Pumping Station	\$5,240,000	\$65,000	\$5,310,000
Hermosa Canal	3.0	4 Wells and Pumping Station	\$5,240,000	\$65,000	\$5,310,000

Reclaimed Water ASR					
East of Del Prado Blvd. near Veterans Memorial Parkway	2.0	3 Wells and Pumping Station	\$3,710,000	\$44,000	\$3,760,000

Interconnect					
Between Cape Coral and North Ft. Myers	N/A	Reuse Interconnect	\$530,000	N/A	\$530,000

Mine Pits					
Limerock	0.8	6 wells	\$480,000	N/A	\$480,000
Jay Rock	0.8	6 wells	\$480,000	N/A	\$480,000
Babcock	1.8	10 wells	\$800,000	N/A	\$800,000

Sum	18.4		\$26,550,000	\$305,000	\$26,860,000
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1. Amortization of 20 years
2. Interest rate = 8%
3. Includes \$150,000 for supplementary infrastructure

Conceptual Capital Cost Evaluation for Geographic Subregion #2 -- Ft. Myers Central, Ft. Myers South, Gateway, and Lehigh Acres

Proposed Alternative	Estimated Benefit (MGD)	Description	Capital Cost	Annual O & M Cost	Total Cost
Reclaimed Water ASR					
East of I-75, SW of 82	9.0	12 Wells and Pumping Station	\$12,010,000	\$161,000	\$12,180,000

Interconnect					
Along Daniels Pkwy. and Six Mile Cypress	N/A	Reuse Interconnect	\$3,360,000	N/A	\$3,360,000

Sum	9.0		\$15,520,000	\$161,000	\$15,540,000
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1. Amortization of 20 years
2. Interest rate = 8%
3. Includes \$150,000 for supplementary infrastructure

Conceptual Capital Cost Evaluation for Geographic Subregion #3 -- GES, Fiesta Village, and Ft. Myers Beach

Proposed Alternative	Estimated Benefit (MGD)	Description	Capital Cost	Annual O. & M Cost	Total Cost
Surface Water ASR					
Ten Mile Canal	12.0	16 Wells and Pumping Station	\$15,380,000	\$206,000	\$15,590,000
Reclaimed Water ASR					
South of Gladiolus Dr. between S. Tamiami Trail and Summerlin Rd.	5.0	7 Wells and Pumping Station	\$7,550,000	\$95,000	\$7,650,000
Interconnect					
Along Daniels Pkwy. and south along I-75	N/A	Reuse Interconnect	\$3,480,000	N/A	\$3,480,000
Sum	17.0		\$26,560,000	\$301,000	\$26,870,000

1. Amortization of 20 years
2. Interest rate = 8%
3. Includes \$150,000 for supplementary infrastructure

Conceptual Capital Cost Evaluation for Geographic Subregion #4 -- North Collier, Pelican Bay, and Bonita Springs

Proposed Alternative	Estimated Benefit (MGD)	Description	Capital Cost	Annual O & M Cost	Total Cost
Surface Water ASR					
Cocohatchee Canal	5.0	7 Wells and Pumping Station	\$7,550,000	\$95,000	\$7,650,000
Imperial River	15.0	20 Wells and Pumping Station	\$19,330,000	\$257,000	\$19,590,000
Golden Gate Canal - 17th Ave.	20.0	27 Wells and Pumping Station	\$26,630,000	\$332,000	\$26,970,000
Reclaimed Water ASR					
North of Immokalee Rd. between I-75 and Tamiami Trail	4.0	6 Wells and Pumping Station	\$6,020,000	\$80,000	\$6,100,000
Interconnect					
Along US 41 north of County Boundary	N/A	Reuse Interconnect	\$550,000	N/A	\$550,000
Mine Pits					
Golden Gate	1.5	6 wells	\$480,000	N/A	\$480,000
Surface Water Withdrawals*					
Golden Gate Canal - 17 Ave.	6.0		N/A	N/A	N/A
Sum	51.5		\$60,750,000	\$770,000	\$61,520,000

1. Amortization of 20 years

2. Interest rate = 8%

3. Includes \$150,000 for supplementary infrastructure

* Costs are included in the sums for surface water ASR as the same infrastructure will be utilized

Conceptual Capital Cost Evaluation for Geographic Subregion #5 -- Naples, South Collier, and Marco Island

Proposed Alternative	Estimated Benefit (MGD)	Description	Capital Cost	Annual O & M Cost	Total Cost
Surface Water ASR					
Golden Gate Canal - Airport/Livingston	25.0	34 Wells and Pumping Station	\$28,530,000	\$386,000	\$28,920,000
Faka Union Canal	25.0	34 Wells and Pumping Station	\$40,410,000	\$386,000	\$40,800,000

Reclaimed Water ASR					
Near Davis Blvd. & Airport Pulling Rd.	7.5	10 Wells and Pumping Station	\$10,630,000	\$139,000	\$10,770,000

Interconnect					
At Golden Gate and Livingston	N/A	Reuse Interconnect	\$268,000	N/A	\$268,000

Surface Water Withdrawals*					
Golden Gate Canal - Airport/Livingston	8.2		N/A	N/A	N/A
Faka Union Canal	6.4				

Sum	72.1		\$79,990,000	\$920,000	\$80,910,000
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1. Amortization of 20 years
2. Interest rate = 8%
3. Includes \$150,000 for supplementary infrastructure

* Costs are included in the sums for surface water ASR as the same infrastructure will be utilized

Table 1
South Florida Water Management District
Irrigation Water Supply Costs
Summary of Total Costs by Subregion

Subregion	1	2	3	4	5
Annual Debt Service	\$ 1,027,900	\$ 605,100	\$ 1,031,700	\$ 3,622,600	\$ 5,119,800
Debt Service Coverage ⁽¹⁾	256,975	151,275	257,925	905,650	1,279,950
Annual O & M Costs ⁽²⁾	303,251	160,617	299,684	761,536	909,129
Total	\$ 1,588,126	\$ 916,992	\$ 1,589,309	\$ 5,289,786	\$ 7,308,879
Production:					
MGD	18.4	9.0	17.0	51.5	72.1
Average Days Per Year	180	180	180	180	180
Annual gallons (000)	3,312,000	1,620,000	3,060,000	9,270,000	12,978,000
Cost per 1000 gallons ⁽¹⁾	\$ 0.48	\$ 0.57	\$ 0.52	\$ 0.57	\$ 0.56
Cost per 1000 gallons w/out grant funding ⁽³⁾	\$ 0.87	\$ 1.03	\$ 0.94	\$ 0.72	\$ 0.67

(1) The debt service coverage funding amounts shown represent an allowance of 25% of the annual debt service based on the SRF Loan Program's minimum coverage requirement of 15% adjusted upward to also reflect the need for funding certain renewals and replacements that may occur during the term of the loans.

(2) Annual operations and maintenance (O & M) costs include:

1. Daily adjustment of injection rates, measurement of water quality
2. Weekly sample procurement for laboratory analyses
3. Calibration of flowmeters and gauges semi-annually
4. Preparation of monthly regulatory reports to FDEP.
5. Submersible pump maintenance
6. General Maintenance
7. Record keeping
8. Electricity for pumping
9. Costs for pretreatment and filtration

(3) Displays cost per 1000 gallons with only SRF funding

Table 2
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 1 Summary of Project Costs

Project	Itemized Capital Costs (\$M)						(\$M)		Estimated Benefit (MGD)	Financing %	
	Description	Wells	Pumping Station	Pipelines	Engineering/ Supervision	Total Capital	Operations and Maintenance	Total Costs		SRF	Bond
SUB 1 6. Gator Slough	9 wells and pumping station	5.2	1.3	0.18	1.2	9.8	2.0	11.8	7.0	100%	0%
SUB 1 7. Hermosa Canal	4 wells and pumping station	2.4	1.1	0.08	0.6	5.2	1.0	6.2	3.0	100%	0%
SUB 1 8. Horseshoe Canal	4 wells and pumping station	2.4	1.1	0.08	0.6	5.2	1.0	6.2	3.0	100%	0%
SUB 1 4. Cape Coral/Waterway Estates/ North Ft. Myers	3 wells and pumping station	1.5	1.0	0.06	0.4	3.7	0.6	4.3	2.0	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	0.42	0.0	0.5	0.0	0.5	0.0	100%	0%
Mine Pits	22 wells	1.4	0.0	0.0	0.0	1.8	0.0	1.8	3.4	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	100%	0%
Subregion Totals		12.9	4.4	0.8	2.9	26.5	4.5	30.9	18.4	26.5	0.0

Annualized Costs:

Debt Service	\$	1,027,900
Coverage		256,975
O&M		303,251
Total Cost	\$	1,588,126

Production:

MGD	18.4
Days per year	180
Annual 1000 gal	3,312,000

Annual Cost per 1000 gallons \$ 0.48

Worksheet 2A
Irrigation Water Supply Costs
Subregion 1
Financing Assumptions

Line No.	Description	Percent	Amount
SRF Loan			
1	Total Projects Funded		26,500,000
2	Adjustment - 50% Grant Funding/\$14M Maximum		(13,250,000)
3	Net Amount of Projects Funded from Loan		13,250,000
Issuance and Surety Costs			
4	Loan Repayment Reserve	3.00%	397,500
5	Loan Service Fee	2.00%	265,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs		662,500
9	Capitalized Interest		696,000
10	Additional Proceeds		0
11	Principal Amount of Loan		14,608,500
Level Debt Service Payment:			
12	Term-Years		20
13	Avg. Interest Rate		3.50%
14	First Year of Amortization		4
15	% First Year Payment		100.00%
16	Average Annual Payment		1,027,900

Loan Cap Int. Calculation

Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest
1	\$ 3,312,500	3,312,500	25.0%	\$ 58,000
2	\$ 6,625,000	9,937,500	50.0%	232,000
3	\$ 3,312,500	13,250,000	25.0%	406,000
4	\$ -	13,250,000	0.0%	0
5	\$ -	13,250,000	0.0%	0
				\$ 696,000
Total Capitalized Interest				\$ 696,000

Revenue Bonds

17	Total Projects Funded		0
18	Adjustment		0
19	Net Amount of Projects Funded from Loan		0
Issuance and Surety Costs			
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
Level Debt Service Payment:			
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

Loan Cap Int. Calculation

Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest
1	\$ -	0	0.0%	\$ -
2	\$ -	0	0.0%	0
3	\$ -	0	0.0%	0
4	\$ -	0	0.0%	0
5	\$ -	0	0.0%	0
				\$ -
Total Capitalized Interest				\$ -

Summary of Annual Debt Service:

33	SRF Loan	\$1,027,900
34	Revenue Bonds	\$0
35	Total	\$1,027,900

Table 3
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 2 Summary of Project Costs

Option Description	Itemized Capital Costs (\$M)						(\$M)		Estimated Benefit (MGD)	Financing %	
	Description	Wells	Pumping Station	Pipelines	Engineering/ Supervision	Total Capital	Operations and Maintenance	Total Costs		SRF	Bond
SUB 2											
5. Ft. Myers Central and South/ Gateway/Lehigh Acres	12 wells and pumping station	6.5	1.4	0.23	1.4	12.0	2.4	14.4	9.0	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	2.69	0.0	3.36	0.0	3.36	0.0	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	100%	0%
Subregion Totals		6.5	1.4	2.9	1.4	15.6	2.4	17.8	9.0	15.6	0.0

Annualized Costs:

Debt Service	\$	605,100
Coverage		151,275
O&M		160,617
Total Cost	\$	916,992

Production:

MGD	9.0
Days per year	180
Annual 1000 gal	1,620,000

Annual Cost per 1000 gallons	<u>\$</u>	<u>0.57</u>
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Worksheet 3A
Irrigation Water Supply Costs
Subregion 2
Financing Assumptions

Line No.	Description	Percent	Amount
SRF Loan			
1	Total Projects Funded		15,600,000
2	Adjustment - 50% Grant Funding/\$14M Maximum		(7,800,000)
3	Net Amount of Projects Funded from Loan		7,800,000
Issuance and Surety Costs			
4	Loan Repayment Reserve	3.00%	234,000
5	Loan Service Fee	2.00%	156,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs		390,000
9	Capitalized Interest		410,000
10	Additional Proceeds		0
11	Principal Amount of Loan		8,600,000
Level Debt Service Payment:			
12	Term-Years		20
13	Avg. Interest Rate	3.50%	
14	First Year of Amortization		4
15	% First Year Payment	100.00%	
16	Average Annual Payment		605,100

Loan Cap Int. Calculation

Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest
1	\$ 1,950,000	1,950,000	25.0%	\$ 34,000
2	\$ 3,900,000	5,850,000	50.0%	137,000
3	\$ 1,950,000	7,800,000	25.0%	239,000
4	\$ -	7,800,000	0.0%	0
5	\$ -	7,800,000	0.0%	0
				\$ 410,000
Total Capitalized Interest				\$ 410,000

Revenue Bonds

17	Total Projects Funded		0
18	Adjustment		0
19	Net Amount of Projects Funded from Loan		0
Issuance and Surety Costs			
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
Level Debt Service Payment:			
28	Term-Years		30
29	Avg. Interest Rate	5.50%	
30	First Year of Amortization		1
31	% First Year Payment	100.00%	
32	Average Annual Payment		0

Loan Cap Int. Calculation

Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest
1	\$ -	0	0.0%	\$ -
2	\$ -	0	0.0%	0
3	\$ -	0	0.0%	0
4	\$ -	0	0.0%	0
5	\$ -	0	0.0%	0
				\$ -
Total Capitalized Interest				\$ -

Summary of Annual Debt Service:		
33	SRF Loan	\$605,100
34	Revenue Bonds	\$0
35	Total	\$605,100

Table 4
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 3 Summary of Project Costs

Option Description	Itemized Capital Costs (\$M)						(\$M)		Estimated Benefit (MGD)	Financing SRF Bonds		
	Description	Wells	Pumping Station	Pipelines	Engineering/ Supervision	Total Capital	Operations and Maintenance ²	Total Costs				
SUB 3 5. Ten Mile Canal	16 wells and pumping station	8.6	1.6	0.31	1.8	15.4	3.1	18.5	12.0	100%	0%	
SUB 3 3. GES/Fiesta Village/ Ft. Myers Beach	7 wells and pumping station	3.8	1.2	0.14	0.9	7.5	1.4	9.0	5.0	100%	0%	
Interconnect	Reuse Interconnect	0.0	0.0	2.78	0.0	3.5	0.0	3.5	0.0	100%	0%	
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	100%	0%	
Subregion Totals		12.4	2.8	3.2	2.7	26.6	4.5	30.9	17.0	26.6	0.00	

Annualized Costs:

Debt Service	\$	1,031,700
Coverage		257,925
O&M		299,684
Total Cost	\$	1,589,309

Production:

MGD	17.0
Days per year	180
Annual 1000 gallons	3,060,000

Annual Cost per 1000 gallons	\$	<u>0.52</u>
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Worksheet 4A
Irrigation Water Supply Costs
Subregion 3
Financing Assumptions

Line No.	Description	Percent	Amount
SRF Loan			
1	Total Projects Funded		26,600,000
2	Adjustment - 50% Grant Funding/\$14M Maximum		(13,300,000)
3	Net Amount of Projects Funded from Loan		13,300,000
Issuance and Surety Costs			
4	Loan Repayment Reserve	3.00%	399,000
5	Loan Service Fee	2.00%	266,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs		665,000
9	Capitalized Interest		698,000
10	Additional Proceeds		0
11	Principal Amount of Loan		14,663,000
Level Debt Service Payment:			
12	Term-Years		20
13	Avg. Interest Rate		3.50%
14	First Year of Amortization		4
15	% First Year Payment		100.00%
16	Average Annual Payment		1,031,700

Loan Cap Int. Calculation				
Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest
1	\$ 3,325,000	3,325,000	25.0%	\$ 58,000
2	\$ 6,650,000	9,975,000	50.0%	233,000
3	\$ 3,325,000	13,300,000	25.0%	407,000
4	\$ -	13,300,000	0.0%	0
5	\$ -	13,300,000	0.0%	0
				\$ 698,000
Total Capitalized Interest				\$ 698,000

Revenue Bonds

17	Total Projects Funded		0
18	Adjustment		0
19	Net Amount of Projects Funded from Loan		0
Issuance and Surety Costs			
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
Level Debt Service Payment:			
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

Loan Cap Int. Calculation				
Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest
1	\$ -	0	0.0%	\$ -
2	\$ -	0	0.0%	0
3	\$ -	0	0.0%	0
4	\$ -	0	0.0%	0
5	\$ -	0	0.0%	0
				\$ -
Total Capitalized Interest				\$ -

Summary of Annual Debt Service:
 SRF Loan \$1,031,700
 Revenue Bonds \$0
 Total \$1,031,700

Table 5
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 4 Summary of Project Costs

Option Description	Itemized Capital Costs (\$M)						(\$M)		Estimated Benefit (MGD)	Financing	
	Description	Wells	Pumping Station	Pipelines	Engineering/ Supervision	Total Capital	Operations and Maintenance ²	Total Costs		SRF	Bond
SUB 4 4. Cocohatchee River	7 wells and pumping station	3.8	1.2	0.14	0.9	7.5	1.4	9.0	5.0	100%	0%
SUB 4 9. Imperial River	20 wells and pumping station	10.8	2.0	0.39	2.3	19.3	3.8	23.2	15.0	100%	0%
SUB 4 2. North Collier/Pelican Bay/ Bonita Springs	6 wells and pumping station	2.9	1.1	0.12	0.7	6.0	1.2	7.2	4.0	100%	0%
SUB 4 1. Golden Gate Canal - SW 17th Ave.	27 wells and pumping station	14.1	2.2	2.11	2.9	26.6	5.0	31.6	20.0	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	0.4	0.0	0.55	0.0	0.55	0.0	100%	0%
Mine Pits	6 wells	0.4	0.0	0.0	0.0	0.48	0.0	0.48	1.5	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	100%	0%
Surface Water Withdrawals Golden Gate Canal - 17th Ave. (added 10/24/02)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	100%	0%
Subregion Totals		32.0	6.4	3.2	6.8	60.7	11.4	72.0	51.5	60.7	0.0

Annualized Costs:

Debt Service	\$	3,622,600
Coverage		905,650
O&M		761,536
Total Cost	\$	5,289,786

Production:	
MGD	51.5
Days per year	180
Annual 1000 gal	9,270,000

Annual Cost per 1000 gallons \$ 0.57

Worksheet 5A
Irrigation Water Supply Costs
Subregion 4
Financing Assumptions

Line No.	Description	Percent	Amount
SRF Loan			
1	Total Projects Funded		60,700,000
2	Adjustment - 50% Grant Funding/\$14M Maximum		(14,000,000)
3	Net Amount of Projects Funded from Loan		46,700,000
Issuance and Surety Costs			
4	Loan Repayment Reserve	3.00%	1,401,000
5	Loan Service Fee	2.00%	934,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs		2,335,000
9	Capitalized Interest		2,451,000
10	Additional Proceeds		0
11	Principal Amount of Loan		51,486,000
Level Debt Service Payment:			
12	Term-Years		20
13	Avg. Interest Rate		3.50%
14	First Year of Amortization		4
15	% First Year Payment		100.00%
16	Average Annual Payment		3,622,600

Loan Cap Int. Calculation

Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest
1	\$ 11,675,000	11,675,000	25.0%	\$ 204,000
2	\$ 23,350,000	35,025,000	50.0%	817,000
3	\$ 11,675,000	46,700,000	25.0%	1,430,000
4	\$ -	46,700,000	0.0%	0
5	\$ -	46,700,000	0.0%	0
				\$ 2,451,000
Total Capitalized Interest				\$ 2,451,000

Revenue Bonds

17	Total Projects Funded		0
18	Adjustment		0
19	Net Amount of Projects Funded from Loan		0
Issuance and Surety Costs			
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
Level Debt Service Payment:			
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

Loan Cap Int. Calculation

Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest
1	\$ -	0	0.0%	\$ -
2	\$ -	0	0.0%	0
3	\$ -	0	0.0%	0
4	\$ -	0	0.0%	0
5	\$ -	0	0.0%	0
				\$ -
Total Capitalized Interest				\$ -

Summary of Annual Debt Service:
SRF Loan \$3,622,600
Revenue Bonds \$0
Total \$3,622,600

Table 6
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 5 Summary of Project Costs

Option Description	Itemized Capital Costs (\$M)						(\$M)		Estimated Benefit (MGD)	Financing	
	Description	Wells	Pumping Station	Pipelines	Engineering/ Supervision	Total Capital	Operations and Maintenance ²	Total Costs		SRF	Bond
SUB 5 2. Golden Gate Canal - Airport Road	34 wells and pumping station	16.5	2.3	0.66	3.4	28.5	5.8	34.3	25.0	100%	0%
SUB 5 3. Faka Union Slough	34 wells and pumping station	16.5	2.3	10.17	3.4	40.4	5.8	46.2	25.0	100%	0%
SUB 5 1. Naples/South Collier/Marco	10 wells and pumping station	5.6	1.4	0.20	1.3	10.6	2.1	12.7	7.5	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	0.21	0.0	0.27	0.0	0.3	0.0	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	100%	0%
Surface Water Withdrawals Golden Gate Canal - Airport/Livingston (added 10-24-02)		0.0	0.0	0.00	0.0	0.0	0.0	0.0	8.2	100%	0%
Surface Water Withdrawals Faka Union Canal (added 10-24-02)		0.0	0.0	0.00	0.0	0.0	0.0	0.0	6.4	100%	0%
Subregion Totals		38.6	6.0	11.2	8.0	80.0	13.6	93.5	72.1	80.0	0.0

Annualized Costs:

Debt Service	\$	5,119,800
Coverage		1,279,950
O&M		909,129
Total Cost	\$	<u>7,308,879</u>

Production:

MGD	72.1
Days per year	180
Annual 1000 gallons	12,978,000

Cost per 1000 gallons	\$	<u>0.56</u>
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Worksheet 6A
Irrigation Water Supply Costs
Subregion 5
Financing Assumptions

Line No.	Description	Percent	Amount
SRF Loan			
1	Total Projects Funded		80,000,000
2	Adjustment - 50% Grant Funding/\$14M Maximum		(14,000,000)
3	Net Amount of Projects Funded from Loan		66,000,000
Issuance and Surety Costs			
4	Loan Repayment Reserve	3.00%	1,980,000
5	Loan Service Fee	2.00%	1,320,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs		3,300,000
9	Capitalized Interest		3,465,000
10	Additional Proceeds		0
11	Principal Amount of Loan		72,765,000
Level Debt Service Payment:			
12	Term-Years		20
13	Avg. Interest Rate		3.50%
14	First Year of Amortization		4
15	% First Year Payment		100.00%
16	Average Annual Payment		5,119,800

Loan Cap Int. Calculation

Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest
1	\$ 16,500,000	16,500,000	25.0%	\$ 289,000
2	\$ 33,000,000	49,500,000	50.0%	1,155,000
3	\$ 16,500,000	66,000,000	25.0%	2,021,000
4	\$ -	66,000,000	0.0%	0
5	\$ -	66,000,000	0.0%	0
				\$ 3,465,000
Total Capitalized Interest				\$ 3,465,000

Revenue Bonds

17	Total Projects Funded		0
18	Adjustment		0
19	Net Amount of Projects Funded from Loan		0
Issuance and Surety Costs			
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
Level Debt Service Payment:			
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

Loan Cap Int. Calculation

Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest
1	\$ -	0	0.0%	\$ -
2	\$ -	0	0.0%	0
3	\$ -	0	0.0%	0
4	\$ -	0	0.0%	0
5	\$ -	0	0.0%	0
				\$ -
Total Capitalized Interest				\$ -

Summary of Annual Debt Service:
SRF Loan \$5,119,800
Revenue Bonds \$0
Total \$5,119,800

Funding Information Without Grants

Table 1
South Florida Water Management District
Irrigation Water Supply Costs
Summary of Total Costs by Subregion

Subregion	1	2	3	4	5
	Gator Slough Horseshoe Canal Hermosa Canal Cape Coral/Water- Way Estates/ N. Fort Myers	Ft. Myers Central & South/Gateway/ Lehigh Acres	Ten Mile Canal GES/ Fiesta Village/ Fort Myers Bch.	Cocohatchee & Imperial Rivers Golden Gate Canal (SW 17th Ave.) North Collier/ Pelican Bay/ Bonita Springs	Golden Gate Canal (Airport Road) Faka Union Slough Naples/South Collier/ Marco
Annual Debt Service	\$ 2,055,700	\$ 1,210,100	\$ 2,063,500	\$ 4,708,700	\$ 6,205,800
Debt Service Coverage(1)	513,925	302,525	515,875	1,177,175	1,551,450
Annual O & M Costs (2)	303,251	160,617	299,684	761,536	909,129
Total	\$ 2,872,876	\$ 1,673,242	\$ 2,879,059	\$ 6,647,411	\$ 8,666,379
Production:					
MGD	18.4	9.0	17.0	51.5	72.1
Average Days Per Year	180	180	180	180	180
Annual gallons (000)	3,312,000	1,620,000	3,060,000	9,270,000	12,978,000
Cost per 1000 gallons	\$ 0.87	\$ 1.03	\$ 0.94	\$ 0.72	\$ 0.67

(1) The debt service coverage funding amounts shown represent an allowance of 25% of the annual debt service based on the SRF Loan Program's minimum coverage requirement of 15% adjusted upward to also reflect the need for funding certain renewals and replacements that may occur during the term of the loans.

(2) Annual operations and maintenance (O & M) costs include:

1. Daily adjustment of injection rates, measurement of water quality
2. Weekly sample procurement for laboratory analyses
3. Calibration of flowmeters and gauges semi-annually
4. Preparation of monthly regulatory reports to FDEP.
5. Submersible pump maintenance
6. General Maintenance
7. Record keeping
8. Electricity for pumping

Table 2
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 1 Summary of Project Costs

Project	Description	Itemized Capital Costs (\$M)					(\$M)		Estimated Benefit (MGD)	Financing %	
		Wells	Pumping Station	Pipelines	Engineering/Supervision	Total Capital	Operations and Maintenance	Total Costs		SRF	Bond
SUB 1											
6. Gator Slough	9 wells and pumping station	5.2	1.3	0.18	1.2	9.8	2.0	11.8	7.0	100%	0%
SUB 1											
7. Hermosa Canal	4 wells and pumping station	2.4	1.1	0.08	0.6	5.2	1.0	6.2	3.0	100%	0%
SUB 1											
8. Horseshoe Canal	4 wells and pumping station	2.4	1.1	0.08	0.6	5.2	1.0	6.2	3.0	100%	0%
SUB 1											
4. Cape Coral/Waterway Estates/ North Ft. Myers	3 wells and pumping station	1.5	1.0	0.06	0.4	3.7	0.6	4.3	2.0	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	0.42	0.0	0.5	0.0	0.5	0.0	100%	0%
Mine Pits	22 wells	1.4	0.0	0.0	0.0	1.8	0.0	1.8	3.4	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	100%	0%
Subregion Totals		12.9	4.4	0.8	2.9	26.5	4.5	30.9	18.4	26.5	0.0

Annualized Costs:

Debt Service	\$ 2,055,700
Coverage	513,925
O&M	303,251
Total Cost	\$ 2,872,876

Production:

MGD
Days per year
Annual 1000 gal

Annual Cost per 1000 gallons #REF!

Worksheet 2A
Irrigation Water Supply Costs
Subregion 1
Financing Assumptions

Line No.	Description	Percent	Amount
SRF Loan			
1	Total Projects Funded		26,500,000
2	Adjustment - 50% Grant Funding/\$14M Maximum		0
3	Net Amount of Projects Funded from Loan		26,500,000
Issuance and Surety Costs			
4	Loan Repayment Reserve	3.00%	795,000
5	Loan Service Fee	2.00%	530,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs		1,325,000
9	Capitalized Interest		1,392,000
10	Additional Proceeds		0
11	Principal Amount of Loan		29,217,000
Level Debt Service Payment:			
12	Term-Years		20
13	Avg. Interest Rate		3.50%
14	First Year of Amortization		4
15	% First Year Payment		100.00%
16	Average Annual Payment		2,055,700

Loan Cap Int. Calculation					
Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest	
1	\$ 6,625,000	6,625,000	25.0%	\$	116,000
2	\$ 13,250,000	19,875,000	50.0%		464,000
3	\$ 6,625,000	26,500,000	25.0%		812,000
4	\$ -	26,500,000	0.0%		0
5	\$ -	26,500,000	0.0%		0
				\$	1,392,000
Total Capitalized Interest				\$	1,392,000

Revenue Bonds			
17	Total Projects Funded		0
18	Adjustment		0
19	Net Amount of Projects Funded from Loan		0
Issuance and Surety Costs			
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
Level Debt Service Payment:			
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

Loan Cap Int. Calculation					
Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest	
1	\$ -	0	0.0%	\$	-
2	\$ -	0	0.0%		0
3	\$ -	0	0.0%		0
4	\$ -	0	0.0%		0
5	\$ -	0	0.0%		0
				\$	-
Total Capitalized Interest				\$	-

33	Summary of Annual Debt Service:		
34	SRF Loan		\$2,055,700
35	Revenue Bonds		\$0
	Total		\$2,055,700

Table 3
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 2 Summary of Project Costs

Option Description	Itemized Capital Costs (\$M)						(\$M)		Estimated Benefit (MGD)	Financing %	
	Description	Wells	Pumping Station	Pipelines	Engineering/ Supervision	Total Capital	Operations and Maintenance	Total Costs		SRF	Bond
SUB 2											
5. Ft. Myers Central and South/ Gateway/Lehigh Acres	12 wells and pumping station	6.5	1.4	0.23	1.4	12.0	2.4	14.4	9.0	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	2.69	0.0	3.36	0.0	3.36	0.0	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	100%	0%
Subregion Totals		6.5	1.4	2.9	1.4	15.6	2.4	17.8	9.0	15.6	0.0

Annualized Costs:

Debt Service	\$ 1,210,100
Coverage	302,525
O&M	160,617
Total Cost	\$ 1,673,242

Production:

MGD	9.0
Days per year	180
Annual 1000 gal	1,620,000

Annual Cost per 1000 gallons	\$ 1.03
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Worksheet 3A
Irrigation Water Supply Costs
Subregion 2
Financing Assumptions

Line No.	Description	Percent	Amount
SRF Loan			
1	Total Projects Funded		15,600,000
2	Adjustment - 50% Grant Funding/\$14M Maximum		0
3	Net Amount of Projects Funded from Loan		15,600,000
Issuance and Surety Costs			
4	Loan Repayment Reserve	3.00%	468,000
5	Loan Service Fee	2.00%	312,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs		780,000
9	Capitalized Interest		819,000
10	Additional Proceeds		0
11	Principal Amount of Loan		17,199,000
Level Debt Service Payment:			
12	Term-Years		20
13	Avg. Interest Rate		3.50%
14	First Year of Amortization		4
15	% First Year Payment		100.00%
16	Average Annual Payment		1,210,100

Loan Cap Int. Calculation

Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest
1	\$ 3,900,000	3,900,000	25.0%	\$ 68,000
2	\$ 7,800,000	11,700,000	50.0%	273,000
3	\$ 3,900,000	15,600,000	25.0%	478,000
4	\$ -	15,600,000	0.0%	0
5	\$ -	15,600,000	0.0%	0
				\$ 819,000
Total Capitalized Interest				\$ 819,000

Revenue Bonds

17	Total Projects Funded		0
18	Adjustment		0
19	Net Amount of Projects Funded from Loan		0
Issuance and Surety Costs			
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
Level Debt Service Payment:			
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

Loan Cap Int. Calculation

Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest
1	\$ -	0	0.0%	\$ -
2	\$ -	0	0.0%	0
3	\$ -	0	0.0%	0
4	\$ -	0	0.0%	0
5	\$ -	0	0.0%	0
				\$ -
Total Capitalized Interest				\$ -

Summary of Annual Debt Service:

33	SRF Loan	\$1,210,100
34	Revenue Bonds	\$0
35	Total	\$1,210,100

Table 4
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 3 Summary of Project Costs

Option Description	Itemized Capital Costs (\$M)						(\$M)		Estimated Benefit (MGD)	Financing	
	Description	Wells	Pumping Station	Pipelines	Engineering/ Supervision	Total Capital	Operations and Maintenance ²	Total Costs		SRF	Bonds
SUB 3 5. Ten Mile Canal	16 wells and pumping station	8.6	1.6	0.31	1.8	15.4	3.1	18.5	12.0	100%	0%
SUB 3 3. GES/Fiesta Village/ Ft. Myers Beach	7 wells and pumping station	3.8	1.2	0.14	0.9	7.5	1.4	9.0	5.0	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	2.78	0.0	3.5	0.0	3.5	0.0	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	100%	0%
Subregion Totals		12.4	2.8	3.2	2.7	26.6	4.5	30.9	17.0	26.6	0.00

Annualized Costs:

Debt Service	\$ 2,063,500
Coverage	515,875
O&M	299,684
Total Cost	\$ 2,879,059

Production:

MGD	17.0
Days per year	180
Annual 1000 gallons	3,060,000

Annual Cost per 1000 gallons	\$ 0.94
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Worksheet 4A
Irrigation Water Supply Costs
Subregion 3
Financing Assumptions

Line No.	Description	Percent	Amount
SRF Loan			
1	Total Projects Funded		26,600,000
2	Adjustment - 50% Grant Funding/\$14M Maximum		0
3	Net Amount of Projects Funded from Loan		26,600,000
Issuance and Surety Costs			
4	Loan Repayment Reserve	3.00%	798,000
5	Loan Service Fee	2.00%	532,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs		1,330,000
9	Capitalized Interest		1,397,000
10	Additional Proceeds		0
11	Principal Amount of Loan		29,327,000
Level Debt Service Payment:			
12	Term-Years		20
13	Avg. Interest Rate		3.50%
14	First Year of Amortization		4
15	% First Year Payment		100.00%
16	Average Annual Payment		2,063,500

Loan Cap Int. Calculation				
Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest
1	\$ 6,650,000	6,650,000	25.0%	\$ 116,000
2	\$ 13,300,000	19,950,000	50.0%	466,000
3	\$ 6,650,000	26,600,000	25.0%	815,000
4	\$ -	26,600,000	0.0%	0
5	\$ -	26,600,000	0.0%	0
				\$ 1,397,000
Total Capitalized Interest				\$ 1,397,000

Revenue Bonds			
17	Total Projects Funded		0
18	Adjustment		0
19	Net Amount of Projects Funded from Loan		0
Issuance and Surety Costs			
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
Level Debt Service Payment:			
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

Loan Cap Int. Calculation				
Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest
1	\$ -	0	0.0%	\$ -
2	\$ -	0	0.0%	0
3	\$ -	0	0.0%	0
4	\$ -	0	0.0%	0
5	\$ -	0	0.0%	0
				\$ -
Total Capitalized Interest				\$ -

Summary of Annual Debt Service:
SRF Loan \$2,063,500
Revenue Bonds 0
Total \$2,063,500

Table 5
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 4 Summary of Project Costs

Option Description	Itemized Capital Costs (\$M)						(\$M)		Estimated Benefit (MGD)	Financing	
	Description	Wells	Pumping Station	Pipelines	Engineering/ Supervision	Total Capital	Operations and Maintenance ²	Total Costs		SRF	Bond
SUB 4											
4. Coochatchee River	7 wells and pumping station	3.8	1.2	0.14	0.0	7.5	1.4	9.0	5.0	100%	0%
SUB 4											
9. Imperial River	20 wells and pumping station	10.8	2.0	0.39	2.3	19.3	3.8	23.2	15.0	100%	0%
SUB 4											
2. North Collier/Pelican Bay/ Bonita Springs	8 wells and pumping station	2.9	1.1	0.12	0.7	6.0	1.2	7.2	4.0	100%	0%
SUB 4											
1. Golden Gate Canal - SW 17th Ave.	27 wells and pumping station	14.1	2.2	2.11	2.0	26.6	5.0	31.6	20.0	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	0.4	0.0	0.55	0.0	0.55	0.0	100%	0%
Mine Pits	6 wells	0.4	0.0	0.0	0.0	0.48	0.0	0.48	1.5	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	100%	0%
Surface Water Withdrawals Golden Gate Canal - 17th Ave. (added 10/24/02)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	100%	0%
Subregion Totals		32.0	6.4	3.2	6.8	60.7	11.4	72.0	51.5	60.7	0.0

Annualized Costs:

Debt Service	\$ 4,708,700
Coverage	1,177,175
O&M	761,536
Total Cost	\$ 6,647,411

Production:

MGD	51.5
Days per year	180
Annual 1000 gal	9,270,000

Annual Cost per 1000 gallons \$ 0.72

Worksheet 5A
Irrigation Water Supply Costs
Subregion 4
Financing Assumptions

Line No.	Description	Percent	Amount
SRF Loan			
1	Total Projects Funded		60,700,000
2	Adjustment - 50% Grant Funding/\$14M Maximum		0
3	Net Amount of Projects Funded from Loan		60,700,000
Issuance and Surety Costs			
4	Loan Repayment Reserve	3.00%	1,821,000
5	Loan Service Fee	2.00%	1,214,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs		3,035,000
9	Capitalized Interest		3,187,000
10	Additional Proceeds		0
11	Principal Amount of Loan		66,922,000
Level Debt Service Payment:			
12	Term-Years		20
13	Avg. Interest Rate		3.50%
14	First Year of Amortization		4
15	% First Year Payment		100.00%
16	Average Annual Payment		4,708,700

Loan Cap Int. Calculation					
Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest	
1	\$ 15,175,000	15,175,000	25.0%	\$	266,000
2	\$ 30,350,000	45,525,000	50.0%		1,062,000
3	\$ 15,175,000	60,700,000	25.0%		1,859,000
4	\$ -	60,700,000	0.0%		0
5	\$ -	60,700,000	0.0%		0
				\$	3,187,000
Total Capitalized Interest				\$	3,187,000

Revenue Bonds

17	Total Projects Funded		0
18	Adjustment		0
19	Net Amount of Projects Funded from Loan		0
Issuance and Surety Costs			
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
Level Debt Service Payment:			
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

Loan Cap Int. Calculation					
Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest	
1	\$ -	0	0.0%	\$	-
2	\$ -	0	0.0%		0
3	\$ -	0	0.0%		0
4	\$ -	0	0.0%		0
5	\$ -	0	0.0%		0
				\$	-
Total Capitalized Interest				\$	-

Summary of Annual Debt Service:		
33	SRF Loan	\$4,708,700
34	Revenue Bonds	\$0
35	Total	\$4,708,700

Table 6
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 5 Summary of Project Costs

Option Description	Itemized Capital Costs (\$M)						(\$M)		Estimated Benefit (MGD)	Financing	
	Description	Wells	Pumping Station	Pipelines	Engineering/ Supervision	Total Capital	Operations and Maintenance ²	Total Costs		SRF	Bond
SUB 5											
2. Golden Gate Canal - Airport Road	34 wells and pumping station	16.5	2.3	0.66	3.4	28.5	5.8	34.3	25.0	100%	0%
SUB 5											
3. Faka Union Slough	34 wells and pumping station	16.5	2.3	10.17	3.4	40.4	5.8	46.2	25.0	100%	0%
SUB 5											
1. Naples/South Collier/Marco	10 wells and pumping station	5.6	1.4	0.20	1.3	10.6	2.1	12.7	7.5	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	0.21	0.0	0.27	0.0	0.3	0.0	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	100%	0%
Surface Water Withdrawals Golden Gate Canal - Airport/Livingston (added 10-24-02)		0.0	0.0	0.00	0.0	0.0	0.0	0.0	8.2	100%	0%
Surface Water Withdrawals Faka Union Canal (added 10-24-02)		0.0	0.0	0.00	0.0	0.0	0.0	0.0	6.4	100%	0%
Subregion Totals		38.6	6.0	11.2	8.0	80.0	13.6	93.5	72.1	80.0	0.0

Annualized Costs:

Debt Service	\$	6,205,800
Coverage		1,551,450
O&M		909,129
Total Cost	\$	8,666,379

Production:

MGD	72.1
Days per year	180
Annual 1000 gallons	12,978,000

Cost per 1000 gallons	<u>\$</u>	<u>0.67</u>
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Worksheet 6A
Irrigation Water Supply Costs
Subregion 5
Financing Assumptions

Line No.	Description	Percent	Amount
SRF Loan			
1	Total Projects Funded		80,000,000
2	Adjustment - 50% Grant Funding/\$14M Maximum		0
3	Net Amount of Projects Funded from Loan		80,000,000
Issuance and Surety Costs			
4	Loan Repayment Reserve	3.00%	2,400,000
5	Loan Service Fee	2.00%	1,600,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs		4,000,000
9	Capitalized Interest		4,200,000
10	Additional Proceeds		0
11	Principal Amount of Loan		88,200,000
Level Debt Service Payment:			
12	Term-Years		20
13	Avg. Interest Rate	3.50%	
14	First Year of Amortization		4
15	% First Year Payment	100.00%	
16	Average Annual Payment		6,205,800

Loan Cap Int. Calculation					
Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest	
1	\$ 20,000,000	20,000,000	25.0%	\$	350,000
2	\$ 40,000,000	60,000,000	50.0%		1,400,000
3	\$ 20,000,000	80,000,000	25.0%		2,450,000
4	\$ -	80,000,000	0.0%		0
5	\$ -	80,000,000	0.0%		0
				\$	4,200,000
Total Capitalized Interest				\$	4,200,000

Revenue Bonds

17	Total Projects Funded		0
18	Adjustment		0
19	Net Amount of Projects Funded from Loan		0
Issuance and Surety Costs			
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
Level Debt Service Payment:			
28	Term-Years		30
29	Avg. Interest Rate	5.50%	
30	First Year of Amortization		1
31	% First Year Payment	100.00%	
32	Average Annual Payment		0

Loan Cap Int. Calculation					
Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Annual Interest	
1	\$ -	0	0.0%	\$	-
2	\$ -	0	0.0%		0
3	\$ -	0	0.0%		0
4	\$ -	0	0.0%		0
5	\$ -	0	0.0%		0
				\$	-
Total Capitalized Interest				\$	-

Summary of Annual Debt Service:		
33	SRF Loan	\$6,205,800
34	Revenue Bonds	\$0
35	Total	\$6,205,800